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TITLE: CONDUCTIVE INK SHEET FOR THERMAL TRANSFER PRINTING WIRING

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## ABSTRACT:

PURPOSE: To provide conductive paths speedily and easily by a thermal transfer printing method, by producing an ink sheet by using a conductive ink which is easily melted when being in an incompletely hardened state and comes to have a three-dimensional structure when being thermally treated.

CONSTITUTION: A conductive ink layer 2 comprising conductive particulates 2 kneaded in a thermosetting synthetic resin in an incompletely hardened state is provided on a base film 1 comprising a synthetic resin. An ink base material has a melting point in the incompletely hardened state of 60~110°C and a viscosity upon melting of 100~10,000cP. The conductive particulates are particulates at most 5μm in particle diameter or thickness, of gold, silver, copper, nickel or the like. Other than the metals mentioned, carbon or the like is also suitable for use as the material of the particulates. The conductive ink layer 2 comprising the conductive particulates 3 dispersed uniformly therein is provided uniformly on one side of a base film 1 in a thickness of 1~15μm by coating, followed by heating until the ink base material reaches the incompletely hardened state.

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